

Figure 1

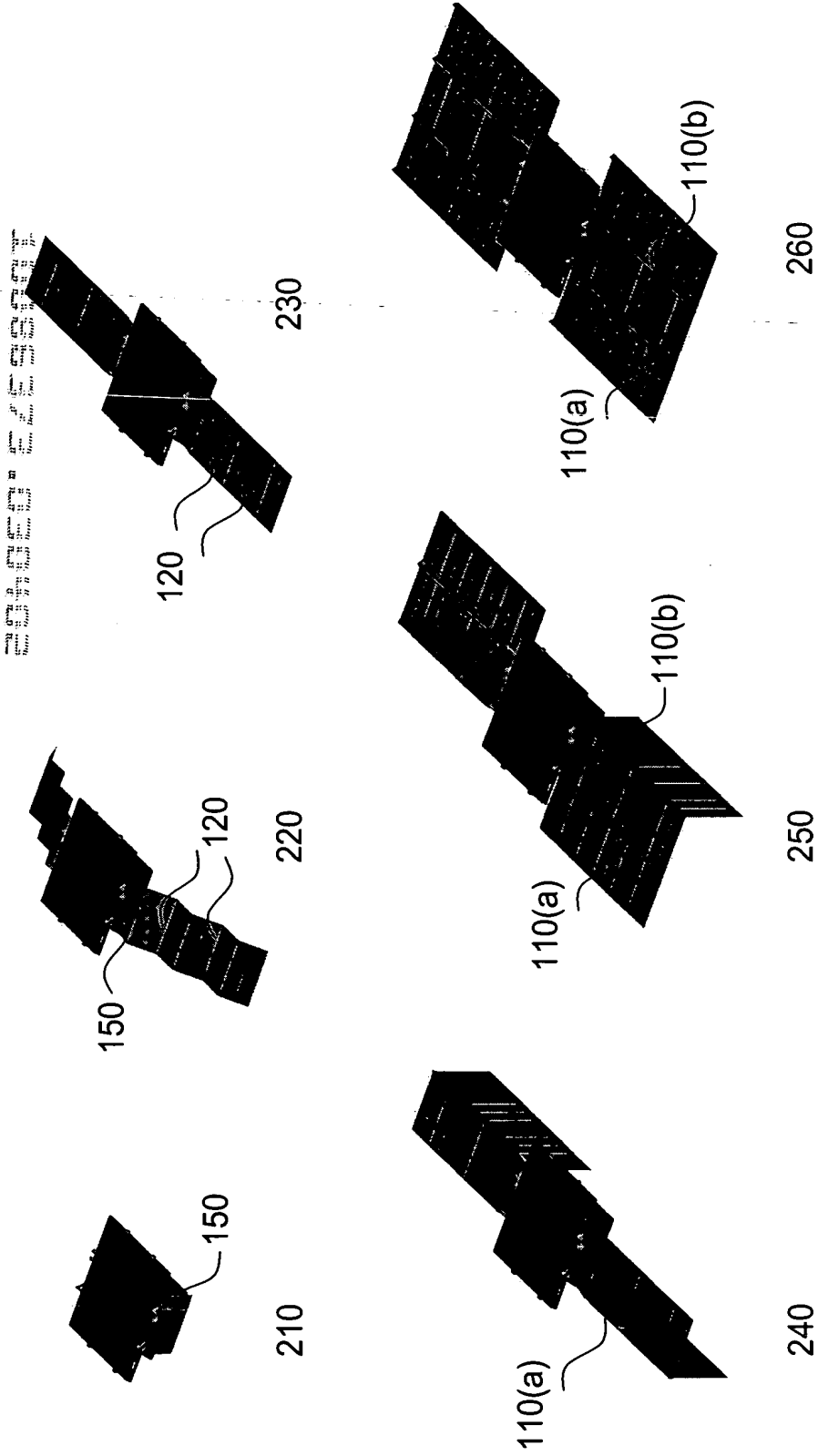


Figure 2

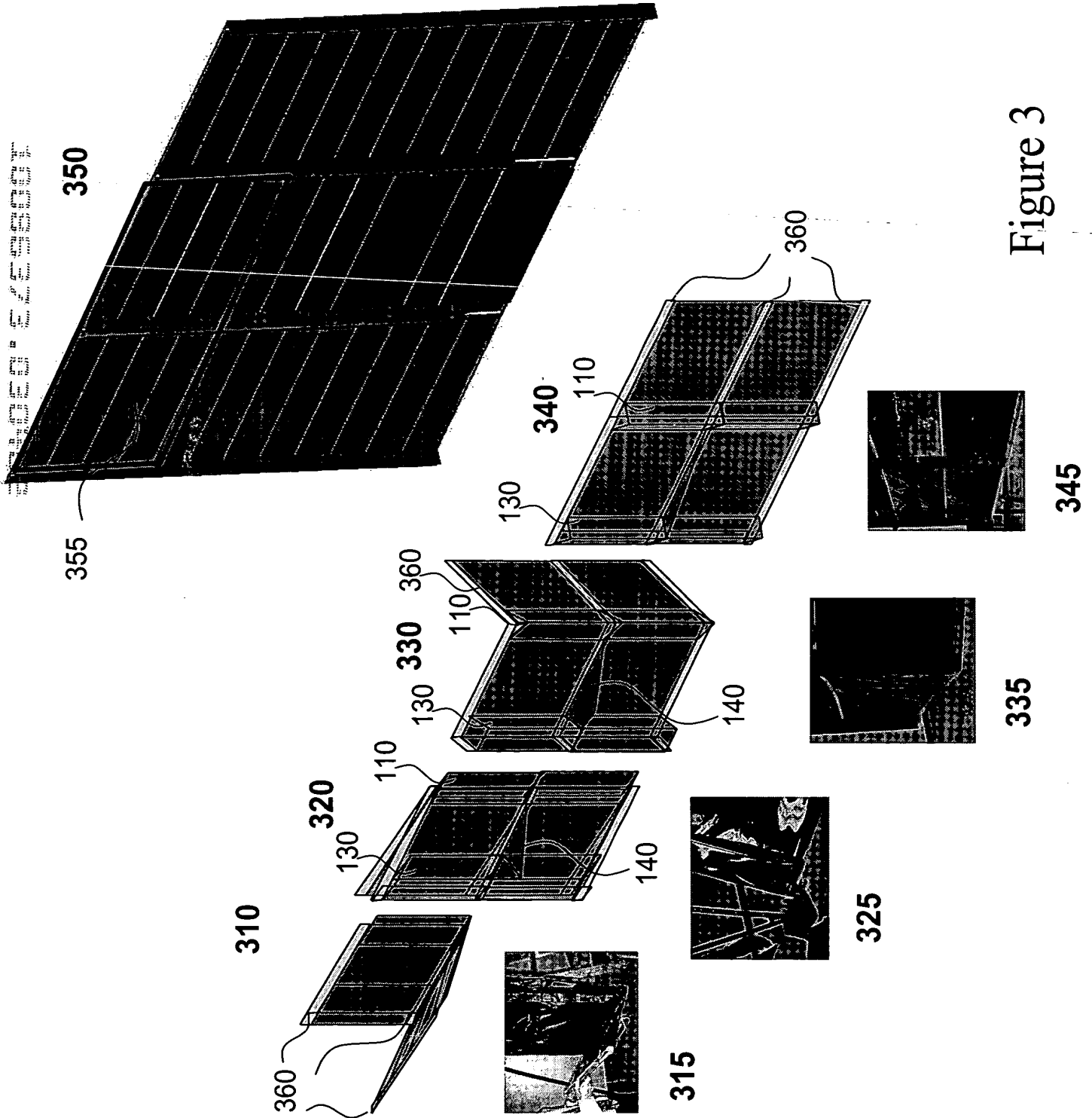
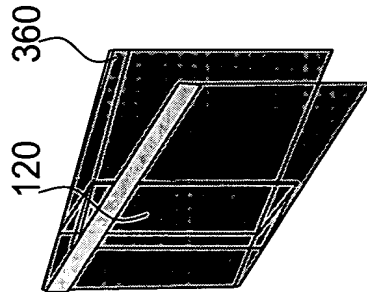


Figure 3

Figure 4

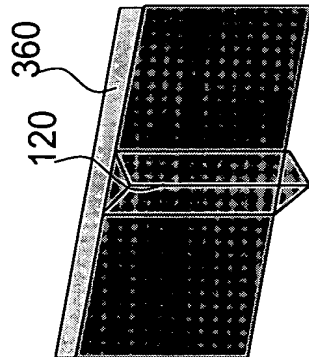
410



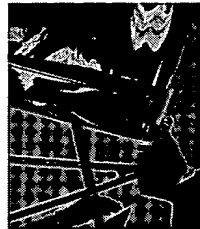
414



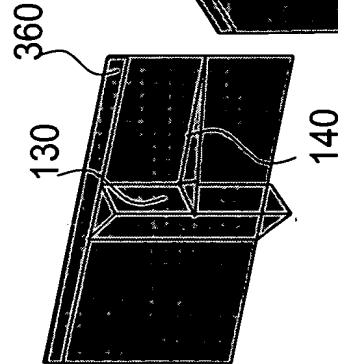
412



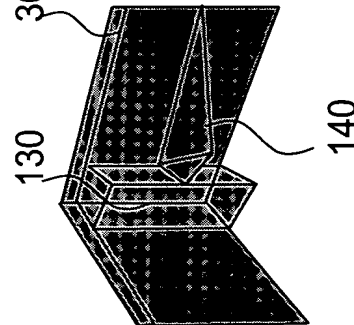
416



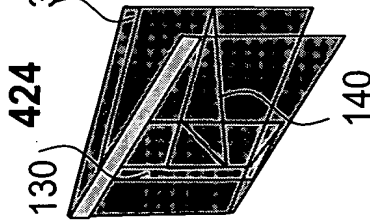
420



422



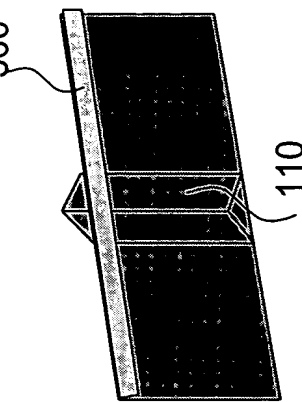
424



430



432



440

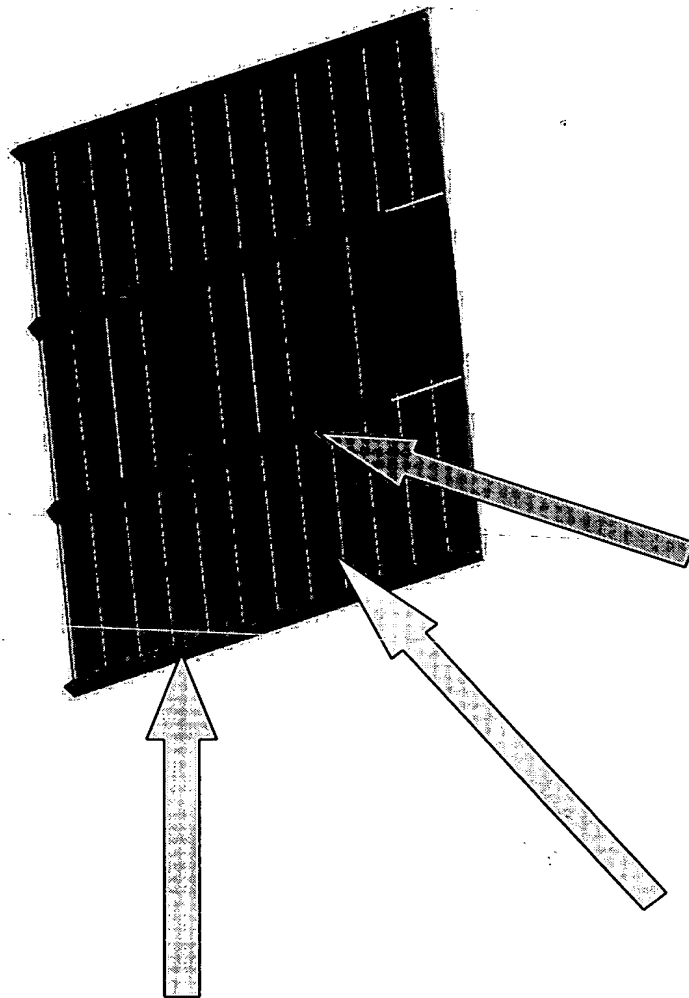
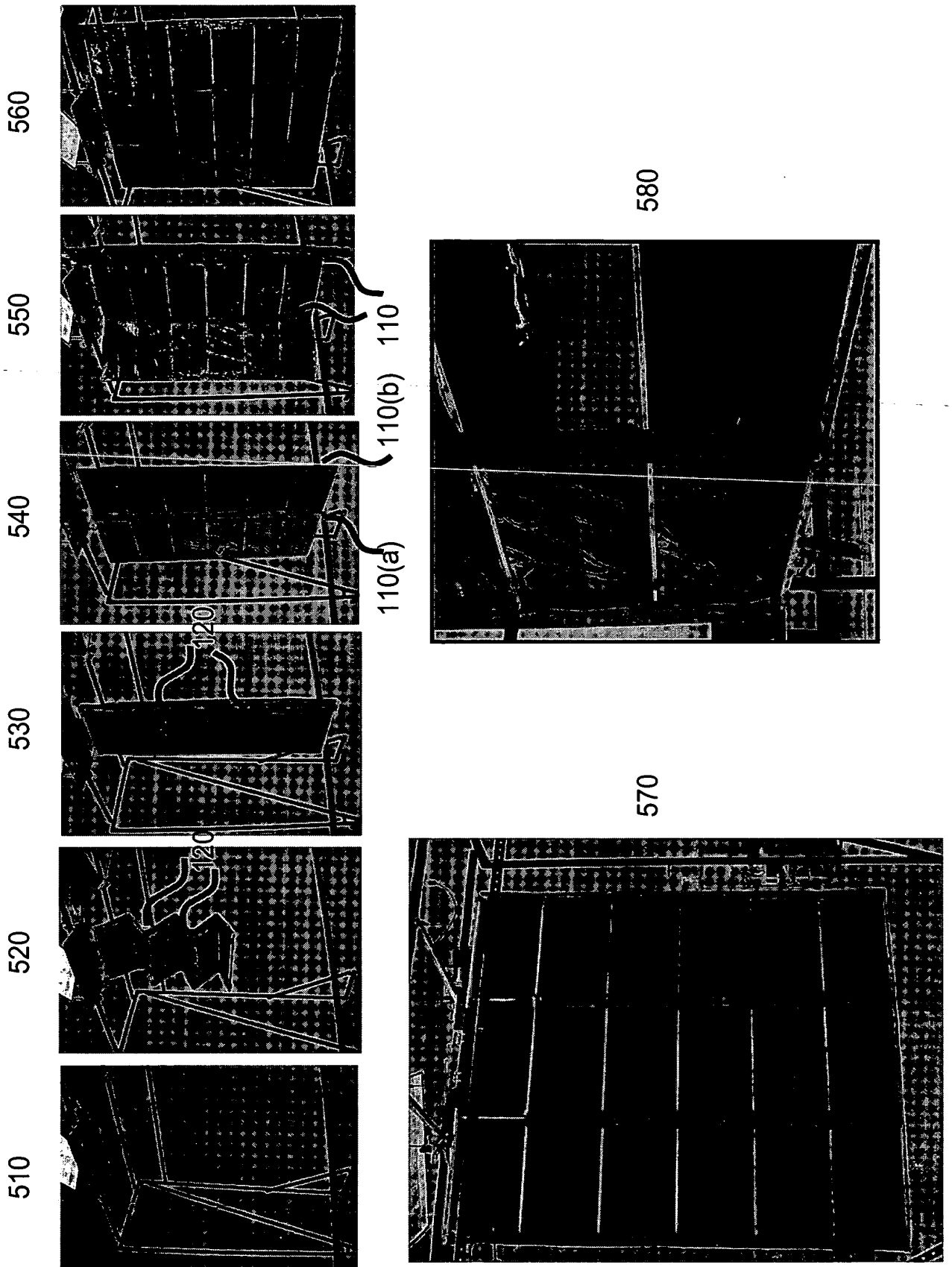


Figure 5



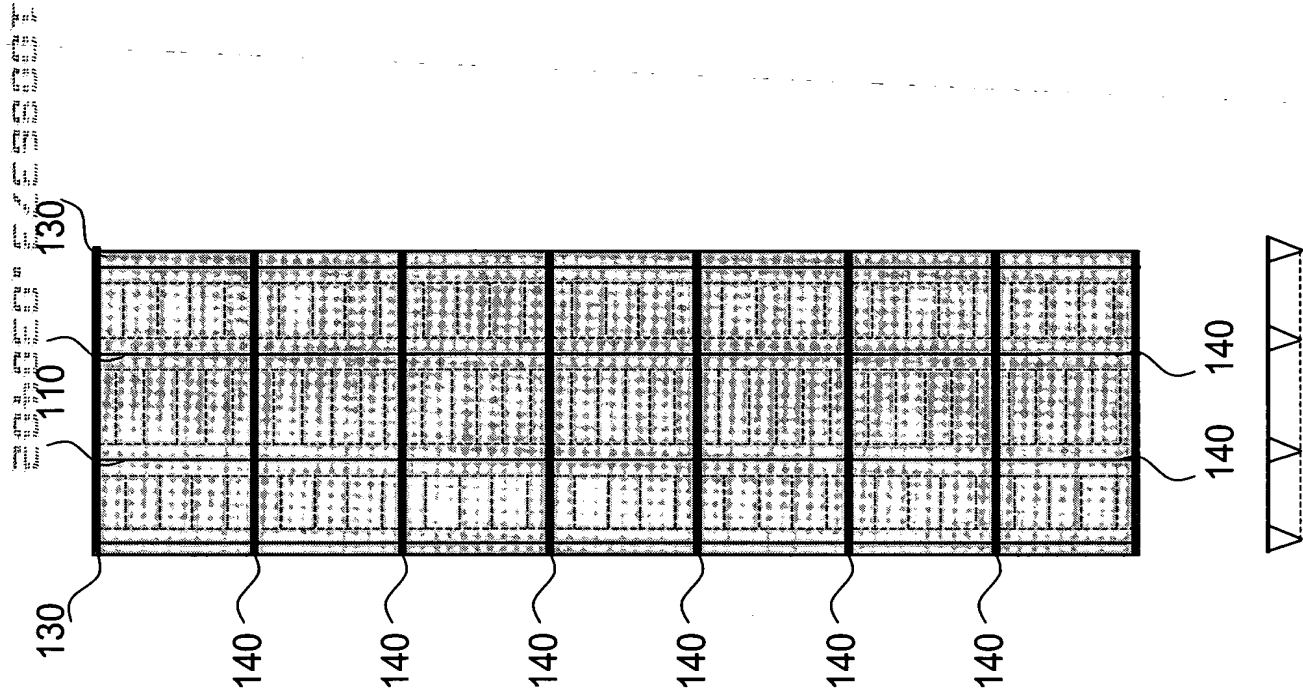


Figure 6



Figure 7

First Fundamental Frequency of 0.48 Hz

MODE: 29 FREQ: 0.4857015
 STRAIN ENERGY - MAG MIN: 0.00E+00 MAX: 1.00E+00
 RESULTS: 49-B.C.1,NORMAL MODE 29,DISPLACEMENT 49
 MODE: 29 FREQ: 0.4857015
 DISPLACEMENT - MAG MIN: 0.00E+00 MAX: 3.74E+01
 CRITERION: ABOVE : 0.00E+00

VALUE OPTION: ACTUAL
 SHELL SURFACE: MIDDLE
 1.00D+00

9.00D-01

8.00D-01

7.00D-01

6.00D-01

5.00D-01

4.00D-01

3.00D-01

2.00D-01

1.00D-01

0.00D+00

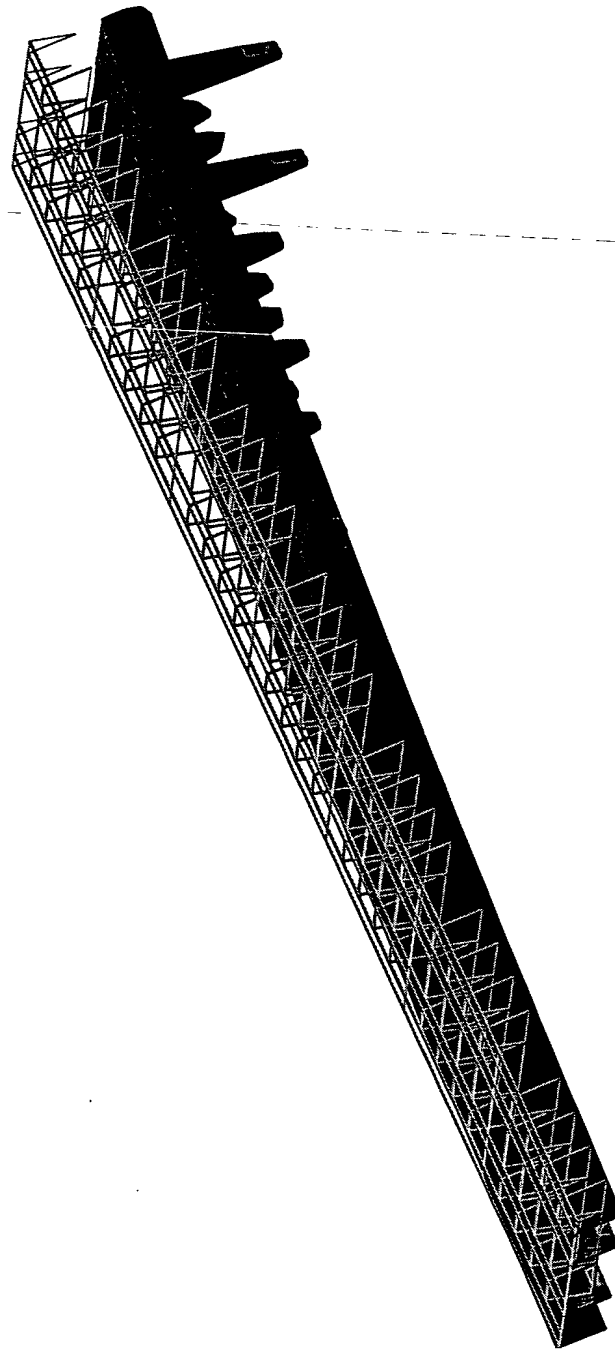


Figure 8

First Fundamental Frequency of 0.43 Hz

MODE: 1
 FREQ: 0.4300192
 STRAIN ENERGY - MAG MIN: 0.00E+00 MAX: 5.35E-01
 RESULTS: 1-B.C. 1-NORMAL MODE 1-DISPLACEMENT_1
 MODE: 1 FREQ: 0.4360792
 DISPLACEMENT - MAG MIN: 0.00E+00 MAX: 7.96E+00
 CRITERION: ABOVE : 0.00E+00

VALUE OPTION: ACTUAL
 SHELL SURFACE: TOP
 5.35D-01

4.81D-01
 4.28D-01
 3.74D-01
 3.21D-01
 2.67D-01
 2.14D-01
 1.60D-01
 1.07D-01
 5.35D-02
 0.00D+00

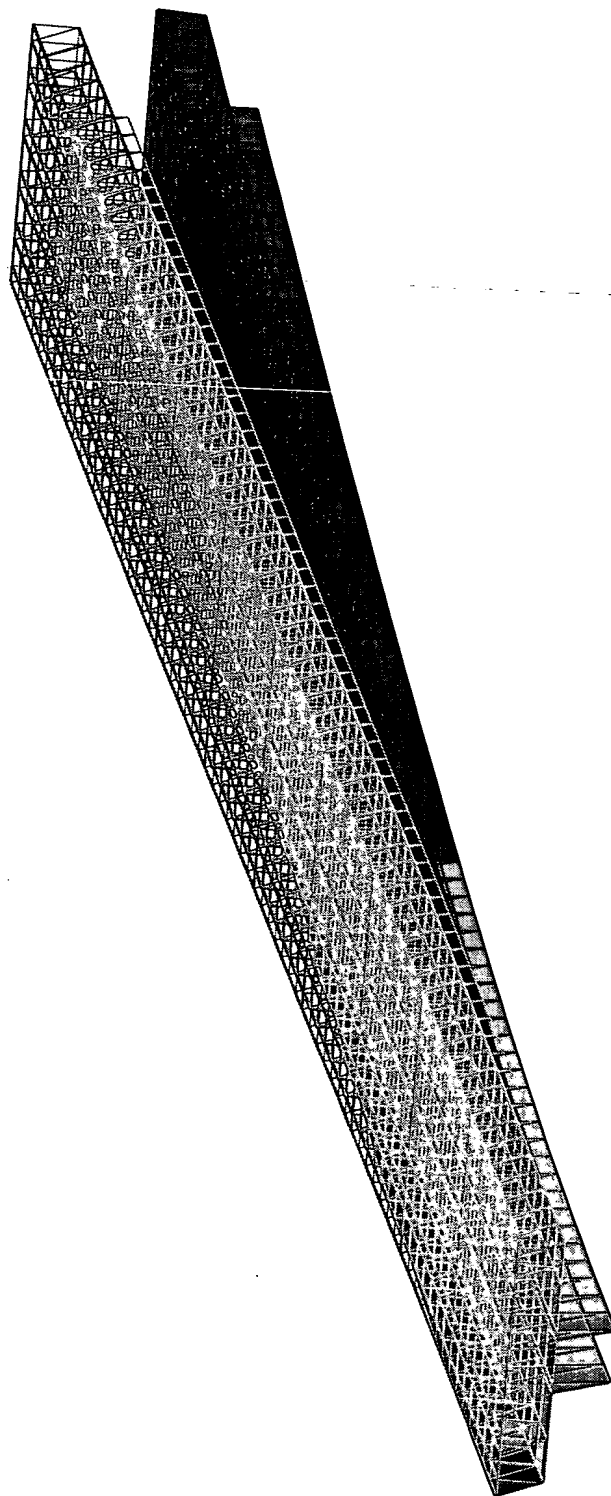


Figure 9

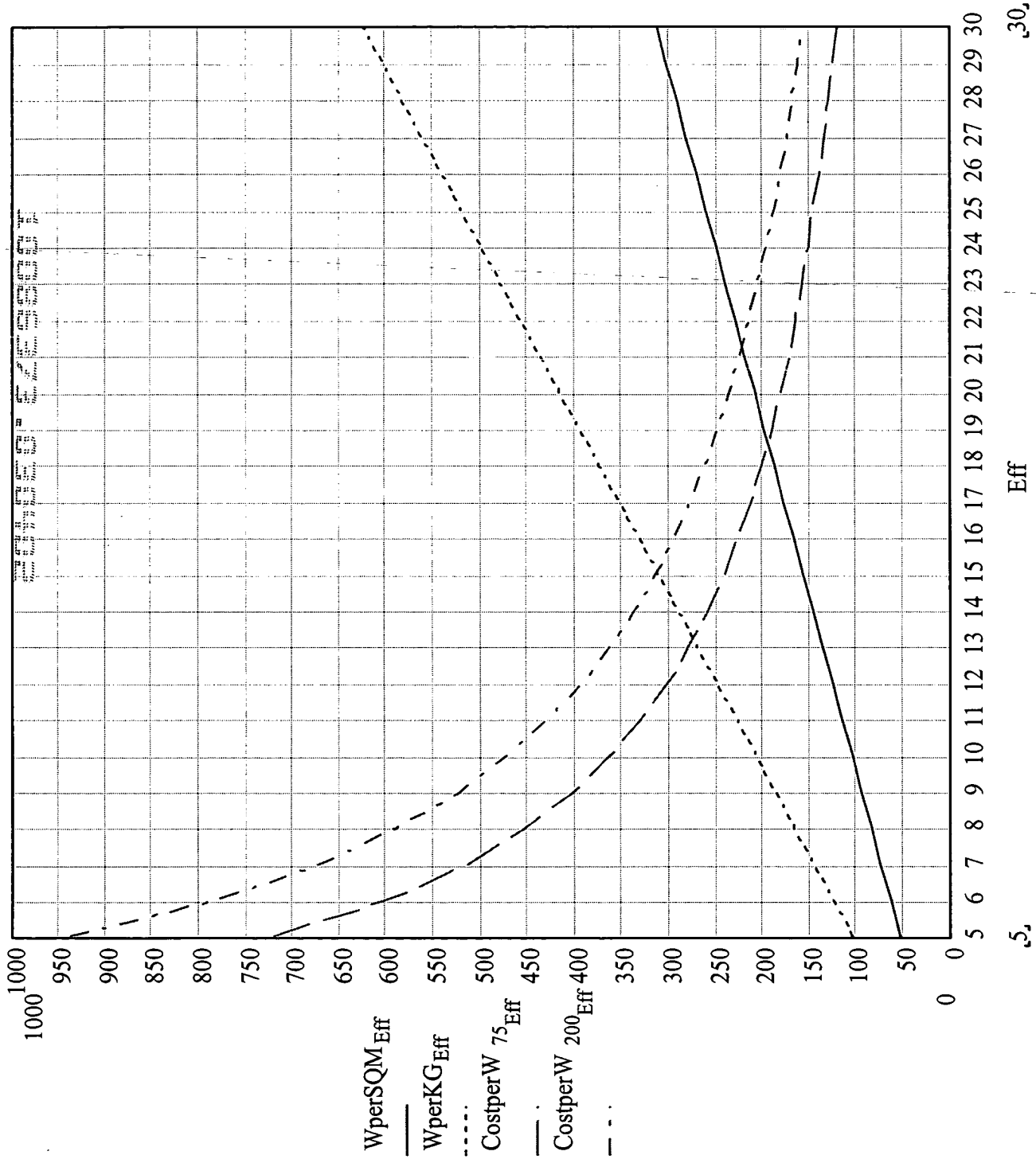


Figure 10

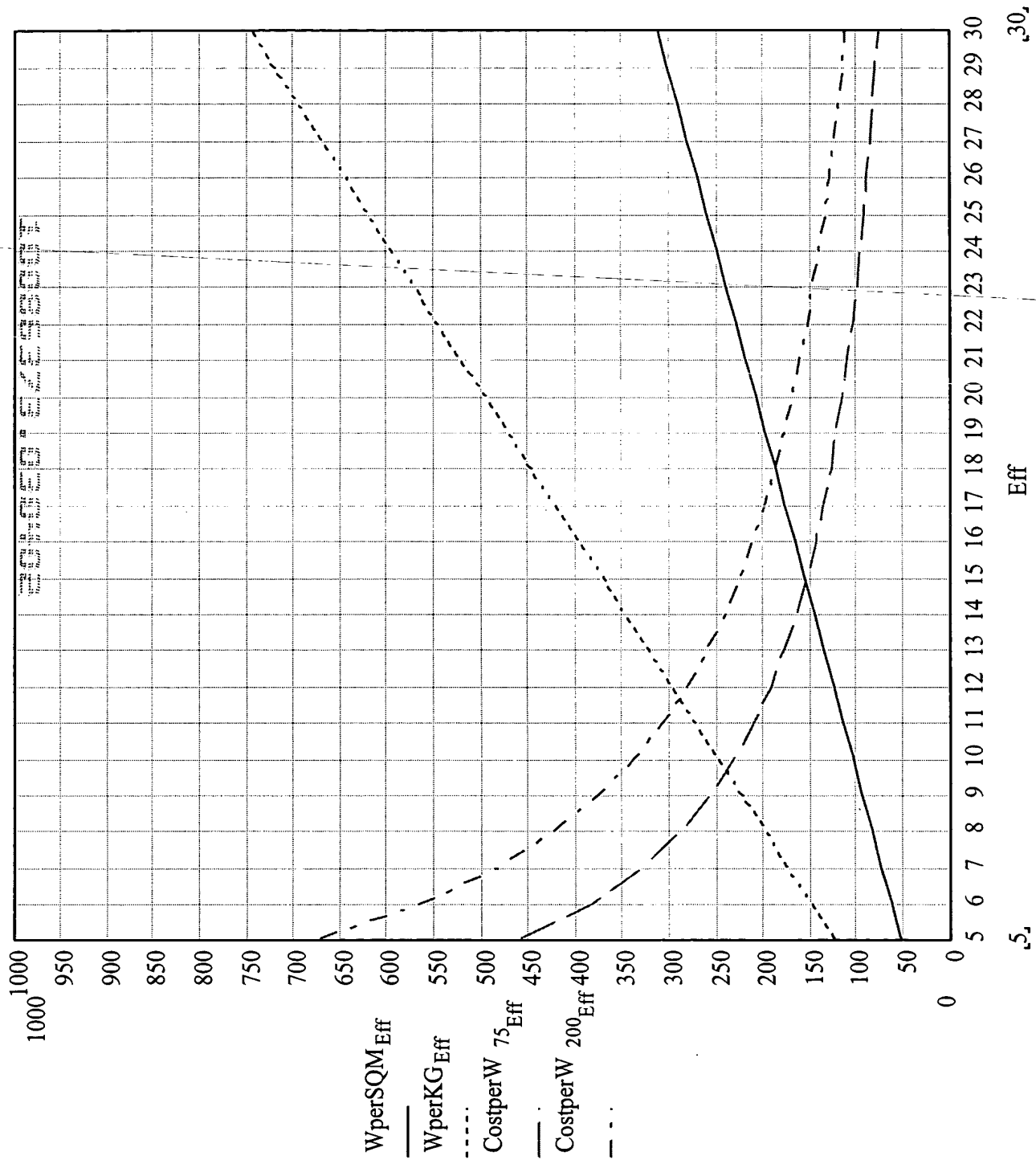


Figure 11

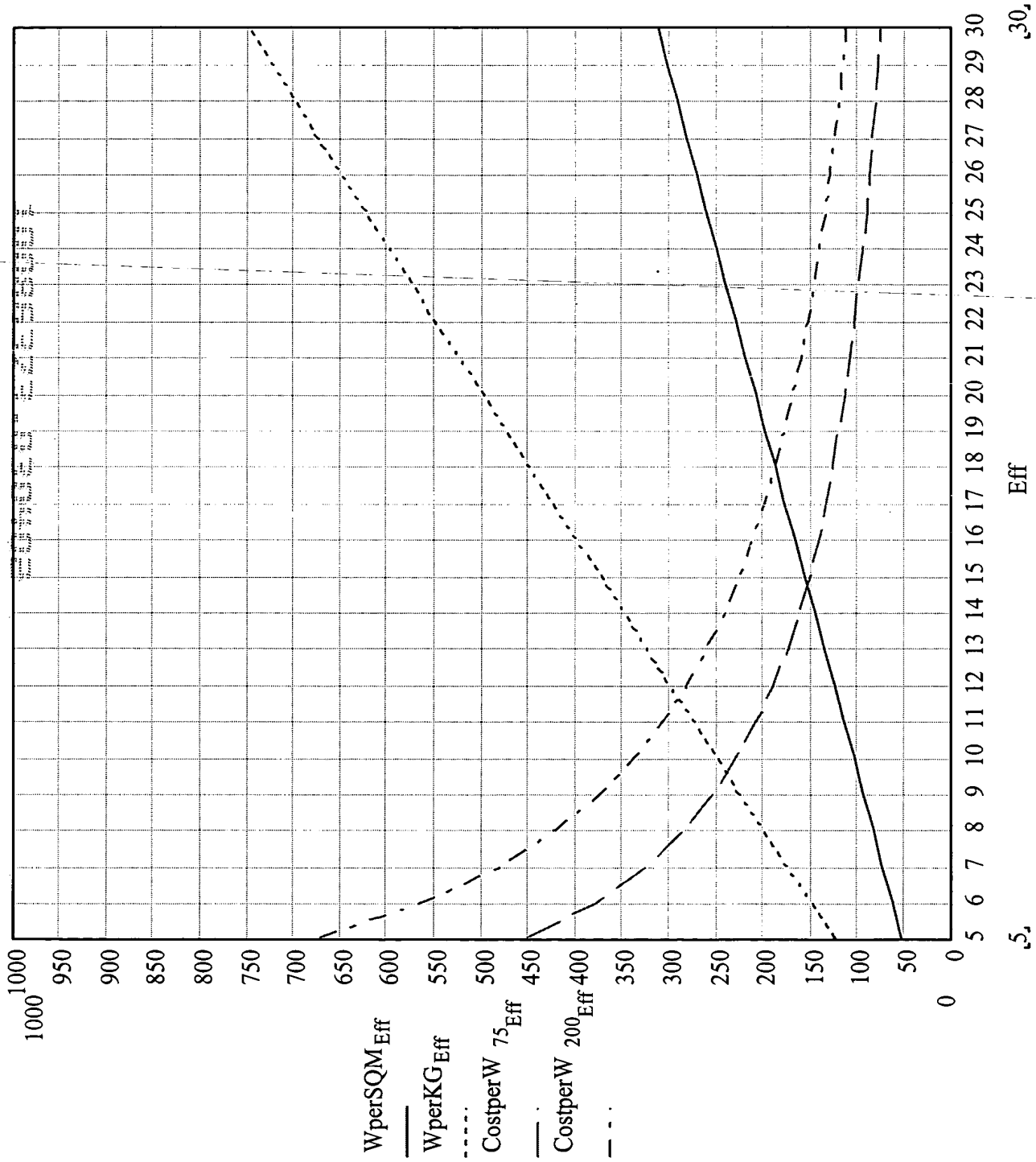


Figure 12